



August 12, 1994

Mr. Herbert M. Straub  
Vinyl Moldings, Inc.  
1641 E. Florida  
Springfield, MO 65803

Re: Discharge of water from cleanup operation.

Dear Mr. Straub:

After reviewing the sample results submitted to this office in a letter dated August 3, 1994, it appears that the cleanup water does meet local discharge limits for the Southwest Treatment Plant and can be discharged to the sanitary sewer. As I understand it, you will be discharging approximately 10 gallons per week. If, in the future, you anticipate a change in operation, please notify this office before any changes are made so a determination can be made as to whether your industrial discharge will continue to meet local discharge limits.

Also, the material that you have stored can be discharged to the sanitary sewer. We will not accept, into the sanitary sewer, any solids or sludge that has settled out of this material while it has been stored. You should discharge the barrels of material at a controlled rate of not more than 5 gallons per minute.

I am enclosing a copy of Chapter 30, "Wastewater Regulations" for your information. You should pay particular attention to Section 30-24 (a) for the local discharge limits that effect your operation.

If you have any questions please feel free to call at 864-1924.

Yours Truly,

Gene Pabst  
Water Pollution Control Inspector  
Surveillance and Enforcement

cc: Robert R. Schaefer, P.E., Superintendent of Sanitary Services.  
Randy Lyman, Sewer Surveillance and Billing Supervisor.



# VINYL MOLDINGS, INC.

1641 E. Florida  
Springfield, MO 65803  
417-831-2672

Manufacturers of  
Vinyl Wrapped Moldings  
Stained Moldings  
TRI-TRIM

Gene, F.Y.I.  
Wastestream looks  
OK per sample  
analysis. Write  
them and tell them  
OK based on the samples  
R.

AUG. 3, 1994

CITY OF SPRINGFIELD  
WATER DEPT.  
RANDY LYMAN, ENGINEER

DEAR MR. LYMAN,

WE HAVE HAD SEVERAL DISCUSSIONS ABOUT OUR OPERATION AND YOU VISITED OUR FACILITY ON DEC. 9, 1993, ACCOMPANIED BY MR. MARK RADAR OF DNR.

TO REVIEW OUR PROCEDURES BRIEFLY, WE RECEIVE RAW WOOD MOLDINGS FROM VARIOUS SOURCES AND APPLY SEVERAL FINISHES, INCLUDING VINYL-WRAP, STAIN AND LACQUER FINISHES.

ENCLOSED YOU WILL FIND CORRESPONDENCE AND TEST RESULTS FROM ENVIRONMENTAL WORKS, INC. COVERING TWO WASTE STREAMS THAT WE ARE CURRENTLY GENERATING. THESE STREAMS ARE THE RESULT OF CLEANUP OPERATIONS ON OUR "STAINER" MACHINE AND WE ARE GENERATING ABOUT 10 GALLONS PER WEEK AT THE CURRENT RATE OF PRODUCTION. THIS FIGURE IS DOWN SOMEWHAT SINCE YOUR VISIT AS WE HAVE ELIMINATED THIS STEP ON A GOOD PORTION OF OUR PRODUCTS.

WE HAVE ABOUT 700 GALLONS OF THIS MATERIAL ON HAND, SINCE WE HAVE BEEN ACCUMULATING IT FOR SOME TIME.

WE WOULD APPRECIATE A CLEARANCE FROM YOUR OFFICE TO PROCEED WITH THE DISCHARGE OF THIS MATERIAL INTO THE SANITARY SEWER.

WE WILL NOT PROCEED UNTIL WE HAVE HAD PROPER NOTIFICATION.

THANKING YOU IN ADVANCE FOR YOUR HELP IN THIS MATTER, I AM

SINCERELY YOURS,

HERBERT M. STRAUB - PRES.





**Technical Services Laboratories, Inc.**  
1612 N. Lexington Avenue  
Springfield, MO 65802  
(417) 864-3195

## ANALYSIS REQUEST

**Project Manager:**

Phone #:

Project Manager:  
Environmental Works Inc.

417-869-3100

**Address:**

FAX #:

417-869-9699

Project Number:

**Project Name:**

511

Project Name: Vinyl Moldings, Inc.

**Project Location:**

831-2672

**Sampler Signature:**

1643 E. Florida

Sampler Signature: [Signature]

[illegible]

Relinquished by:

Date	Time
------	------

Received by:

**Date Report Required:**

**Relinquished by:**

Date, Time

Received by:

**Relinquished by:**

**Date**      **Time**

Received by Laboratory

# TSL INC

Technical Services Laboratories, Inc.  
1612 North Lexington Avenue - Springfield, Missouri 65802  
417-873-3195 FAX: 417-864-4337 BN: 8-873-3195

UPON FUTURE CORRESPONDENCE  
REFER TO REPORT NUMBER

Material WASTEWATER Test Report No. E-0093-F  
Customer ENVIRONMENTAL WORKS, INC. Address SPRINGFIELD, MO  
Purchase Order No. \_\_\_\_\_ File No. T-122 Specification \_\_\_\_\_  
Date Sample Submitted \_\_\_\_\_ Date Sample Received JULY 11, 1994

Analysis of a water sample submitted by Mr. Mat Weeks.

Project Name..... Vinyl Moldings, Inc.  
Project Number..... 511  
Project Location..... 1643 E. Florida  
Sample Identification..... Alc 1  
Date Sampled..... July 11, 1994, 09:15 hours  
Sampled By..... Herb Straub

## TEST PARAMETERS

## RESULTS

## DATE OF ANALYSIS

### Total Metals:

Arsenic, EPA Method 206.2 .....	<0.006 mg/L	July 11, 1994
Cadmium, EPA Method 213.1 .....	0.017 mg/L	July 11, 1994
Chromium, EPA Method 218.1 .....	<0.026 mg/L	July 11, 1994
Copper, EPA Method 220.1 .....	0.833 mg/L	July 11, 1994
Lead, EPA Method 239.1 .....	<0.068 mg/L	July 11, 1994
Mercury, EPA Method 245.1 .....	0.00038 mg/L	July 11, 1994
Nickel, EPA Method 289.1 .....	<0.074 mg/L	July 11, 1994
Zinc, EPA Method 272.1 .....	0.360 mg/L	July 11, 1994

pH, EPA Method 9045A ..... 7.23 July 14, 1994

Flash Point, Closed Cup  
EPA Method 1010..... > 205° F. July 14, 1994

Total Cyanide  
EPA Method 335.2..... 0.003 mg/L July 13, 1994

Oil and Grease  
EPA Method 413.1..... 41.9 mg/L July 14, 1994

cc: Mr. Mat Weeks  
Environmental Works, Inc.  
1630 E. Elfindale  
Springfield, MO 65807

Analyzed by: J. T. Bohanon, W. A. Middleton, D. E. Helmbrecht Reported By: M. W. Woods

Approved by: *R E Doughty* Date: July 18, 1994  
R. E. Doughty, Laboratory Director





Technical Services Laboratories, Inc.  
1612 North Lexington Avenue - Springfield, Missouri 65802  
417-873-3195 FAX: 417-864-4337 BN: 8-873-3195

UPON FUTURE CORRESPONDENCE  
REFER TO REPORT NUMBER

Material WASTEWATER Test Report No. E-0093-E  
Customer ENVIRONMENTAL WORKS, INC. Address SPRINGFIELD, MO  
Purchase Order No. \_\_\_\_\_ File No. T-122 Specification \_\_\_\_\_  
Date Sample Submitted \_\_\_\_\_ Date Sample Received JULY 11, 1994

Analysis of a water sample submitted by Mr. Mat Weeks.

Project Name..... Vinyl Moldings, Inc.  
Project Number..... 511  
Project Location..... 1643 E. Florida  
Sample Identification..... Honey Oak  
Date Sampled..... July 11, 1994, 09:30 hours  
Sampled By..... Herb Straub

**TEST PARAMETERS**

**RESULTS**

**DATE OF ANALYSIS**

**Total Metals:**

Arsenic, EPA Method 206.2 .....	<0.006 mg/L	July 11, 1994
Cadmium, EPA Method 213.1 .....	0.030 mg/L	July 11, 1994
Chromium, EPA Method 218.1 .....	<0.026 mg/L	July 11, 1994
Copper, EPA Method 220.1 .....	0.180 mg/L	July 11, 1994
Lead, EPA Method 239.1 .....	0.089 mg/L	July 11, 1994
Mercury, EPA Method 245.1 .....	0.00052 mg/L	July 11, 1994
Nickel, EPA Method 289.1 .....	<0.074 mg/L	July 11, 1994
Zinc, EPA Method 272.1 .....	0.312 mg/L	July 11, 1994

pH, EPA Method 9045A ..... 7.58 July 14, 1994

Flash Point, Closed Cup  
EPA Method 1010..... > 205° F. July 14, 1994

Total Cyanide  
EPA Method 335.2..... 0.010 mg/L July 13, 1994

Oil and Grease  
EPA Method 413.1..... 12.5 mg/L July 14, 1994

cc: Mr. Mat Weeks  
Environmental Works, Inc.  
1630 E. Elfindale  
Springfield, MO 65807

Analyzed by: J. T. Bohanon, W. A. Middleton, D. E. Helmbrecht Reported By: M. W. Woods

Approved by: R E Doughty Date: July 18, 1994  
R. E. Doughty, Laboratory Director



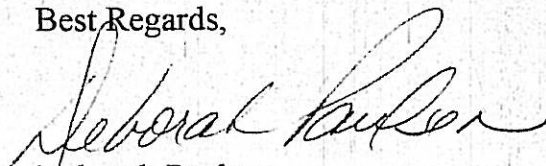
July 20, 1994

Mr. Herb Straub  
Vinyl Moldings, Inc.  
1643 East Florida  
Springfield, Missouri 65803

Dear Mr. Straub:

Please find enclosed the laboratory analysis reports for wastewater identified as honey oak and alc 1. Analysis results indicate that the wastewater is within specific pollutant discharge limitations for discharge to the POTW. Should the process change or should you have questions concerning the results, please call me. Thank you for your business.

Best Regards,



Deborah Paulsen,  
Principal

# TELEPHONE LOG SHEET

INDUSTRY NAME

Vinyl Molding

CONTACT PERSON

Herb Straub

NUMBER CALLED

DATE

12-13-93

TIME

1:50 P.M.

## PURPOSE FOR CALL

Mr. Straub called to see if he needed to run all of the parameters in Chapter 30-24 (A) on the latex paint. He has found a lab. I told him that we needed these parameters for both the latex & the solvent based stains. He stated he should have results within a couple of weeks.

CALLERS SIGNATURE

Gene Pabst



MEMO TO VINYL MOLDINGS FILE  
1641 E. Florida

On Thursday morning, December 9, 1993, Mark Rader of the Department of Natural Resources, Gene Pabst and I met with Herbert Straub, president of the Vinyl Moldings Company, to discuss the disposal of cleanup water from their wood staining process. Mr. Straub had converted the staining system from a solvent based system to a water based system. He uses a latex stain for the majority of his finishing work. When they are cleaning this tank, they pump out the good stain and save it, then clean the tank with water. He has accumulated about 10 barrels of cleanup water from this process. Mr. Straub also uses a dark red stain in about 5% of his production that contains ethylene glycol and methanol. The company only uses this stain every 4-6 weeks. They also have to use a different tank with this color and they clean it with water (use about 5 gallons per cleanup). He has a barrel of this cleanup water accumulated. They also paint moldings. They save the leftover paint and solvent in this process, mix it together, and use it when they are applying black paint. We gave Mr. Straub a copy of Chapter 30 and told him he needed to test the cleanup water from the latex stain process and send us a copy of the results. Mark looked at the barrel of dark red stain cleanup water and told Mr. Straub that he was mainly concerned with the flashpoint of the material in the barrel. Mr. Straub will also sample the cleanup water from the dark red stain process, as it should be representative of the material in this drum. He will send results of this analysis to Mark and to this office. Mark Rader commented about the fact that Vinyl Moldings has a hazardous waste generator number. Mr. Straub said they get samples of products from different companies and if they don't use them, they have to send them off to dispose of them. Mark is going to send Mr. Straub a list of labs and consultants in the area that could help him with his sampling.

*Karen Chandler*

Karen Chandler  
WPCI II  
SSE & B

Manufacturers Of:  
Vinyl Wrapped Moldings  
Stained Moldings

FAX 831-4036  
1641 E. Florida  
Springfield, MO 65803  
(417) 831-2672



Herbert M. Straub  
President

**VINYL MOLDINGS, INC.**



1641 E. 101st Ave

DEC 8, 1993

CITY OF SPRINGFIELD  
WATER DEPT.  
RANDY LYMAN, ENGINEER

DEAR MR. LYMAN,

AS WE DISCUSSED EARLIER TODAY, WE ARE A COMPANY THAT PUTS STAINS AND FINISHES ON WOOD MOLDINGS. IN THE SPRING OF THIS YEAR, WE CONVERTED OUR STAINING SYSTEM OVER TO A WATER BASED STAIN FROM A SOLVENT BASED ONE.

IN OUR DAILY ROUTINE, WE GENERATE FIVE TO TEN GALLONS OF CLEANUP WATER WHICH CONTAINS A DILUTED FORM OF THE VARIOUS COLORS THAT WE USE. I AM ENCLOSING MSDS'S ON THE TWO TYPES OF STAIN THAT WE BUY. THE ONE THAT WE BUY FROM PEERLESS CHEMICALS IS USED IN ONLY ABOUT 5% OF OUR PRODUCTION. AS PER YOUR SUGGESTION, I WILL GET A SAMPLE TESTED LOCALLY AND SUBMIT THESE TESTS TO YOUR DEPARTMENT BEFORE WE WOULD DISCHARGE ANY OF THIS PARTICULAR CLEANUP WATER INTO THE SEWER SYSTEM.

IN THE MEANTIME, WE WOULD LIKE A CLEARANCE. IF POSSIBLE, TO BEGIN DISCHARGING THE CLEANUP WATER THAT WE ARE GENERATING FROM THE OTHER STAINS. I WOULD ALSO LIKE TO KNOW IF THERE IS A PROBLEM WITH US DISCHARGING THE ACCUMULATED WASTE WATER THAT WE HAVE BEEN STORING IN 55 GAL. DRUMS. WE HAVE A TOTAL OF ABOUT TEN OF THESE AT PRESENT.

THANKING YOU IN ADVANCE FOR YOUR COOPERATION, I AM

SINCERELY YOURS,

  
HERBERT M. STRAUB - PRES.

MATERIAL SAFETY DATA SHEET

Pg 1

PRODUCT NAME: 12-1858A DK RED CHERRY NGR STN  
 PRODUCT CODE: 12-1858A

HMS CODES: H F R P  
 2\* 3 0 X

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: PEERLESS COATINGS, INC.  
 ADDRESS: 1811 22ND ST. S.E., CULLMAN, ALABAMA 35055  
 EMERGENCY PHONE: (205) 734-5000 INFORMATION PHONE: (205) 734-5000  
 DATE REVISED : 11-18-92 NAME OF PREPARER : MIKE BURLESON  
 REASON REVISED : 30891

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
		OSHA PEL	ACGIH TLV	OTHER		
*ETHYLENE GLYCOL	107-21-1	50 PPM	50 PPM		0.1 88F	25
*METHANOL	67-56-1	200 PPM	200 PPM		98.0 88F	58

\* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 149 to 379 Deg F SPECIFIC GRAVITY (H2O=1): 0.9  
 VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER  
 COATING V.O.C. : 6.86 LB/GL ( 822 G/L)  
 MATERIAL V.O.C. : 5.98 LB/GL ( 716 G/L)  
 SOLUBILITY IN WATER: NO APPRECIABLE SOLUBILITY.  
 APPEARANCE AND ODOR: PAINT CONSISTENCY &/OR CHARACTERISTIC SOLVENT ODOR

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: 60 Deg F METHOD USED: TOC  
 FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 3.2% UPPER: 36.5%

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

**SPECIAL FIREFIGHTING PROCEDURES**

WEAR SELF CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE  
 MODE WHEN FIGHTING FIRES. WATER FOG NOZZLES ARE PREFERRED, ALSO TO REDUCE PRESSURE BUILD UP IN CLOSED CONTAINERS.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE  
 WHEN EXPOSED TO EXTREME HEAT. SOLVENTS WILL CONTINUE TO EVAPORATE AND TRAVEL ALONG THE GROUND AND BE IGNITED BY PILOT  
 LIGHTS, FLAMES, HEATERS, SMOKING, ETC.



12-1858A

## MATERIAL SAFETY DATA SHEET

PAGE 2

## ===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE

CONDITIONS TO AVOID

SOURCES OF IGNITION (SEE SECTION FOR UNUSUAL FIRE AND EXPLOSION HAZARDS).

INCOMPATIBILITY (MATERIALS TO AVOID)

AVOID CONTACT WITH STRONG OXIDIZING AGENTS (LIKE LIQUID CHLORINE, CONCENTRATED O<sub>2</sub>)

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

MAY FORM TOXIC MATERIALS: CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS, ETC.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

NOT APPLY

## ===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

BREATHING-NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA HEADACHE. HIGH CONCENTRATIONS: COLLAPSE, BRONCHITIS, ASPHYXIATION, &amp; CONVULSIONS.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

EYES-SEVERE IRRITATION, REDNESS, TEARING AND BLURRED VISION. SKIN-MODERATE IRRITATION, DEFATTING, DERMATITIS.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SHOULD MATERIAL BE ABSORBED THROUGH THE SKIN, DEFATTING CAN OCCUR CAUSING SKIN DRYING, CRACKING AND POSSIBLE DERMATITIS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SWALLOWING-CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. MAY CAUSE BLINDNESS AND DEATH.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE- WEAKNESS, PALE, DIZZY, EYE TEARING. CHRONIC OVEREXPOSURE-HAS APPARENTLY BEEN FOUND TO CAUSE THE FOLLOWING EFFECTS IN LABORATORY ANIMALS: ANEMIA, LIVER ABNORMALITIES, KIDNEY DAMAGE, EYE DAMAGE, LUNG DAMAGE, SPLEEN DAMAGE, BRAIN DAMAGE AND NERVOUS SYSTEM DAMAGE. OVEREXPOSURE HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS: EYE DAMAGE.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO  
HAZARDOUS INGREDIENTS ARE NOT CARCINOGENS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

SKIN SENSITIZATION.

EMERGENCY AND FIRST AID PROCEDURES

IF ON SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDER CONTAMINATED CLOTHING BEFORE RE-USE. IF ON EYES: FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY, GET MEDICAL ATTENTION. IF SWALLOWED: IMMEDIATELY DRINK TWO GLASSES OF WATER AND INDUCE VOMITING. NEVER GIVE ANYTHING TO AN UNCONSCIOUS PERSON. GET MEDICAL HELP IMMEDIATELY. IF BREATHING: REMOVE PERSON TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING IS STOPPED: GIVE ARTIFICIAL RESPIRATION, KEEP PERSON WARM, QUIET, &amp; GET MEDICAL HELP IMMEDIATELY.

MATERIAL SAFETY DATA SHEET  
FOR COATINGS, RESINS, AND RELATED MATERIALS  
REPLACES NPCA 1-82

MANUFACTURER'S NAME:  
Rainbow Paint and Coatings Inc.  
2029 N. Golden  
Springfield, MO 65802

EMERGENCY TELEPHONE NO.  
1-800-535-5053

DATE OF PREPARATION:

INFORMATION TELEPHONE NO.  
(417) 865-7372

8/17/90

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER: 790 - 813

PRODUCT NAME: CAROLAC WATER-REDUCIBLE STAIN - (NON GRAIN RAISING)

PRODUCT CLASS: LATEX STAIN

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT WEIGHT	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE mmHg @ 20°C
		TLV	PPH	PEL	
NONE					

SECTION III - PHYSICAL DATA

MELTING RANGE: 212° F VAPOR DENSITY: HEAVIER THAN AIR  
EVAPORATION RATE: FASTER SLOWER THAN ETHER %VOLATILE VOLUME: 9.0 WT/GAL

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA B DOT N.R. FLASHPOINT: N.A. LEL: N.A.

EXTINGUISHING MEDIA: FOAM "ALCOHOL" FOAM CO2 DRY CHEMICAL WATER FOG OTHER

USUAL FIRE AND EXPLOSION HAZARDS:  
N.A.

SPECIAL FIREFIGHTING PROCEDURES:

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVER-EXPOSURE: Direct contact of product with eyes can cause irritation. Prolonged or repeated contact w/skin may cause irritation.  
MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:

None Known.

PRIMARY ROUTE (S) OF ENTRY: DERMAL INHALATION INGESTION

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush 15 minutes, seek medical attention.

SKIN: Wash with soap and water.

INGESTION: Induce vomiting, call a physician.

SECTION VI - REACTIVITY DATA

STABILITY: UNSTABLE STABLE

HAZARDOUS POLYMERIZATION: MAY OCCUR

WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS:

CONDITIONS TO AVOID: N.A.

INCOMPATIBILITY (MATERIALS TO AVOID)

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb with sawdust. Clean up with soap and water.

WASTE DISPOSAL METHOD:

Approved landfill.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION TO MAINTAIN BELOW TLV.

None likely needed.

PROTECTIVE CLOVES: Disposable rubber gloves.

EYE PROTECTION: Splash goggles.

OTHER PROTECTIVE EQUIPMENT: As needed.

HYGIENIC PRACTICES:

Wash with soap and water.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:  
Handle in observance of normal precautions and industrial hygiene practices used for epoxy resins.

Page 1



PRODUCT: 790 SERIES  
CAROLAC WATER-REDUCIBLE STAIN

DESCRIPTION AND SUGGESTED USES:

MAY BE BRUSHED, SPRAYED, OR APPLIED WITH CLOTH.

- 1) WATER-REDUCIBLE STAIN FOR SOLID WOOD AND VENEERS.
- 2) COLOR AVAILABLE: SEE COLOR CARD.
- 3) WIPE IMMEDIATELY IF GRAIN RAISES.

*Rain Bow*  
*Pg 2*

PACKAGED: ONE GALLON - FIVE GALLON

PHYSICAL PROPERTIES	APPLICATION INFORMATION	SPRAY EQUIPMENT
V.O.C. 0	APPROX. COVERAGE 1 MIL	CONVENTIONAL AIR
SOLIDS	THICK 200 SQ. FT. PER GALLON	0.015 - 0.025
% BY VOLUME 13	AIR DRY 72% 40% R.H.	AIRLESS: 1000-1500 P.S.I.
FLASH POINT NONE	TOUCH 5 MINUTES	TIP 0.009 - 0.015
VISCOSITY 15	HANDLE 10 MINUTES	AIR ASSISTED AIRLESS
GLOSS NONE	RECOAT 20 MINUTES	500 - 750 P.S.I.
PENCIL HARDNESS N.A.	OR AFTER N.A.	TIP 0.009 - 0.015
ADHESION GOOD	APPLY BY N.A.	HVLP CONSULT MANUFACTURER
IMPACT RESISTANCE	REDUCTION	
DIRECT/REVERSE N.A.	HOT WEATHER N.A.	
MANDREL FLEX. N.A.	COLD WEATHER N.A.	
PRINT RESIST. N.A.	FORCE DRY	
PASSED N.A. HOURS Q.U.V.	DEGREES CONSULT MANUFACTURER	
PASSED N.A. HRS 5% SALT SPRAY	TIME CONSULT MANUFACTURER	

CLEAN TOOLS WITH SOAP AND WATER.

SAFETY: CAUTION: AVOID CONTACT WITH EYES. IF CONTACT OCCURS, FLUSH IMMEDIATELY WITH WATER. IF IRRITATION PERSISTS, SEE A PHYSICIAN. AVOID PROLONGED SKIN CONTACT. WASH THOROUGHLY AFTER HANDLING. KEEP FROM FREEZING.  
KEEP OUT OF REACH OF CHILDREN.

MATERIAL SAFETY DATA SHEET ON REVERSE SIDE.

WARRANTY: WE GUARANTEE THAT THE QUALITY AND PROPERTIES OF THE PRODUCTS SUPPLIED CONFORM TO OUR LATEST PUBLISHED SPECIFICATIONS. SINCE WE HAVE NO CONTROL OVER THE USE OR APPLICATION OF THESE PRODUCTS WE ASSUME NO RESPONSIBILITY, NOR MAKE ANY WARRANTIES OR GUARANTEE FOR COVERAGE, PERFORMANCE, OR INJURIES RESULTING FROM USE. LIABILITY, IF ANY, IS LIMITED TO REPLACEMENT OF MERCHANDISE.